

FIG. 1A

GTCAAGTGTATTACGTGCAGGAGACTGGCCGCTCGGCTCAGGACTGGGATTAGCGGGCTCTGCTCAAAACCCGCGGCTTTACATTAGGAGTGAGTGG 100
GGGAGAGTCCTAGGATTTCTAGTGAAAGTGACAGCGCTTGGTGAGCTTGGGACCTTCGTGAAGTCTTCTGCTTGGAGCTGAGACTTGATGCC ATG 199
M I
GAA CAC CCC CTC TTT GGC TGC CTG CGC AGC CCC CAC GCC ACA GCG CAA GGC TTG CAC CCC TTC TCG CAG TCT TCT 274
E H P L F G C L R S P H A T A Q G L H P F S Q S S 26
CTG GCC CTC CAT GGA AGA TCT GAC CAC ATG TCC TAC CCC GAA CTC TCC ACA TCT TCC TCG TCT TGC ATA ATC GCG 349
L A L H G R S D H M S Y P E L S T S S S C I I A 51
GGA TAC CCC AAT GAG GAG GGC ATG TTT GCC AGC CAG CAT CAC AGG GGG CAC CAC CAC CAC CAC CAC CAC CAT 424
G Y P N E E G M F A S Q H H R G H H H H H H H H 76
CAC CAC CAC CAG CAG CAG CAG GCT CTG CAA AGC AAC TGG CAC CTC CCG CAG ATG TCC TCC CCG CCA AGC 499
H H H Q Q Q Q H Q A L Q S N W H L P Q M S S P P S 101
GCG GCC CGG CAC AGC CTT TGC CTG CAG CCT GAT TCC GGA GGG CCC CCG GAG CTG GGG AGC AGC CCT CCG GTC CTC 574
A A R H S L C L Q P D S G G P P E L G S S P P V L 126
TGC TCC AAC TCT TCT AGC CTG GGC TCC AGC ACC CCG ACC GGA GCC GCG TGC GCA CCA AGG GAT TAT GGC CGT CAA 649
C S N S S L G S S T P T G A A C A P R D Y G R Q 151
GCG CTG TCA CCC GCA GAA GTG GAG AAG AGA AGT GGC AGC AAA AGA AAA AGC GAC AGT TCA GAT TCC CAG GAA GGA 724
A L S P A E V E K R S G S K R K S D S S D S Q E G 176
AAT TAC AAG TCA GAA GTG AAC AGC AAA CCT AGG AAG GAA AGA ACA GCT TTC ACC AAA GAG CAA ATC AGA GAA CTT 799
N Y K S E V N S K P R K E R T A F T K E Q I R E L 201
GAG GCA GAG TTC GCC CAT AAC TAT CTG ACC AGA CTG AGA AGA TAT GAG ATA GCG GTG AAC CTA GAC CTC ACT 874
E A E F A H H N Y L T R L R R Y E I A V N L D L T 220

MATCH TO FIG. 1B

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MATCH TO FIG. 1A

GAA AGA CAG GTG AAA GTG TGG TTC CAG AAC AGG AGA ATG AAG TGG AAG CGG GTC AAG GGG GGA CAA CAA GGA GCT	949
E R Q V K V N F Q N R R H K N K R V K G G Q Q G A	251

GCA GCC CGA GAA AAG GAA CTG GTG AAT GTG AAA AAG GGA ACA CTT CTT CCA TCA GAG CTG TCA GGA ATT GGT GCA 1024

A A R E K E L V N V K K G (T) L L P S E L S G I G A 276

GCC ACC CTC CAG CAG ACA GGG GAC TCA CTA GCA AAT GAC GAC AGT CGC GAT AGT GAC CAC AGC TCT GAG CAC GCA 1099

A T L Q Q T G D S L A N D S R D (S) D H S S E H A 301

CAC TTA TGA TACATACAGAGACCAGCTCCGTTCTCAGGAAGCACCATTGTGATGGCAATCTCACCCAAACATCGTTTACATGGCAGATGACTGTG 1196

H L STOP 303

GCAGTGTGCTTAATATAATAAACAAGCGAGCATCTCAAGTCTGTTTCTCATGATTGATAGAGGTTTACACTAAGTGCCCTTATTGAAGATGCTTCCAC 1296

AGTGAAATTGGAGAAAGTGAACATATCTAATATACCTGTTCTTATATGACAGAGAGGGAGATGAATGTTTGGCTTGGCTTGCACGTGAAATTAATTTG 1396

CTACCAAGAGCAAACTCGGTAAGACATTTTGTACTCAAGTTGTCTCCAGAGTGAAGATGTTATAGAAATGCTTTGAACATTCACAGTTGTACCAGGTCTATGT 1496

GTGTGACACTGGGCGAGGTATTTGCTTTTGCTTGCACTGAAACTTAACTGCTATCAAGTTAACCAATGAATAGTTTATCTTGAACAGGCCACAGTGCCTG 1596

AAATCACCAGTGGATATAAAATGAACATGAATTCGTATATATTACTCTTAAGTCAATTTTCTGCTTCACTAAATTTAGCAAAATGCATTCATATTAGC 1696

TGATGAAAATAGGCTTTCCCGTGGACAAATGCAGCCAGCTTCTGTTATTTTATACATTTTGTGTCAGTCAGAGACATCAGTATGCTTACCTTGTGTT 1796

CAAGTAGAGGAAAATGCAGTAGAGTCTGATAGGACATATCTTGGTACCACAGACAAACAAATCTTCTGTTGCTTGCATTCAGTATCAACTGCTGCAGATACAT 1896

TAGAGAACACACACCTAGCCCCCTCCAGCCCTCCCTCTGTTATCGCTCGAAGACATTAGCGTCAATAGGCAAGTAGTTACCTTGGCAAAATGAGTCTTGTGTTG 1996

CAGATGCTCTGATTTTGTATCTTTAAACGTGTTAATGGTATGCTGCTTCAAGTTAACAGGGGAAAAGATTCTTCCCTCATTTGTTATGATACAAAACCCA 2096

AGTGCCAAACAAAGCTAGTCTTCAAGGGATAGATGAGAAACATGAATGCTGACAAAGTAGACTCAGCGAAAATACATTTATTTTCAGAGGCTGTGTATTC 2196

ATGCAGTACAAGTCTCTGTATTTTGTAAAAAAAAGTTAAATAAAT 2244

FIG. 1B

FIG. 2

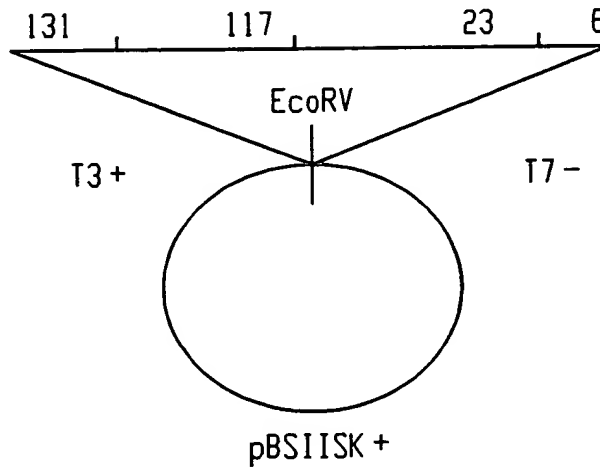
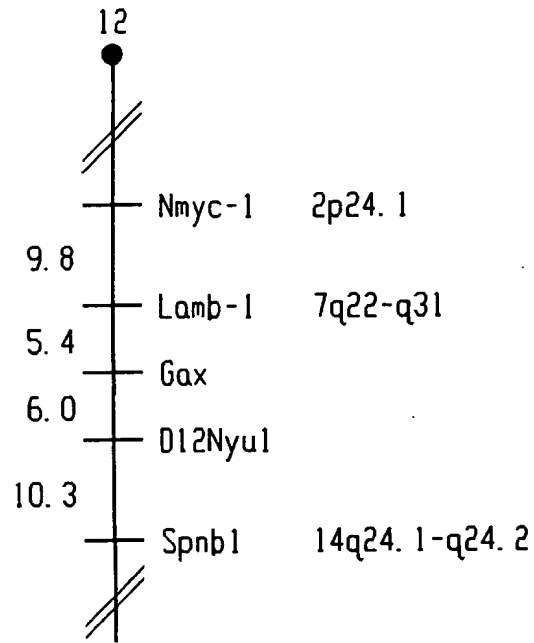
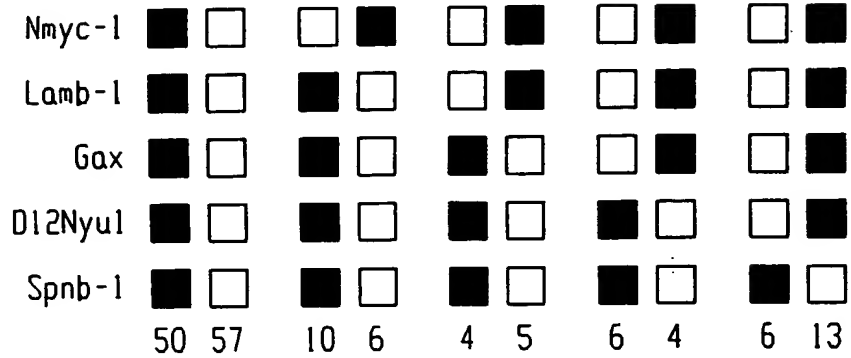


FIG. 4

FIG. 3

83
17
158
42
233
67
300
92
383
117
450
142
533
167
600
192
683
217
758
242
833
267
908
292
941
302

GTCTTCTACCTG6AACCCGAACTTGCAATGCT ATG GAA CAC CCG CTC TTT GGC TGC CTG CGC AGC CCT CAC GCC ACG GCG CAA
M E H P L F G C L R S P H A T A Q

GGC TTG CAC CCG TTC TCC CAA TCC TCT CTC GCC CTC CAT GGA AGA TCT GAC CAT ATG TCT TAC CCC GAG CTC TCT
G L H P F S Q S L A L H G R S D H M S Y P E L S

ACT TCT TCC TCA TCT TGC ATA ATC GCG GGA TAC CCC AAC GAA GAG GAC ATG TTT GCC AGC CAG CAT CAC AGG GGG
T S S S C I I A G Y P N E E D M F A S Q H H R G

CAC CAC CAC CAC CAC CAT CAC CAC CAT CAG CAG CAG CAG GCT CTG CAA ACC AAC TGG CAC CTC
H H H H H H H H H Q Q Q Q H Q A L Q T N W H L

CCG CAG ATG TCT TCC CCA CCG AGT GCG GCT CGG CAT AGC CTC TGC CTC CAG CCC GAC TCT GGA GGG CCC CCA GAG
P Q M S S P P S A A R H S L C L Q P D S G G P P E

TTG GGG AGC AGC CCG CCC GTC CTG TGC TCC AAC TCT TCC AGC TTG GGC TCC AGC ACC CCG ACT GGG GCC GCG TGC
L G S S P P V L C S N S S S L G S S T P T G A A C

GCG CCG GGG GAC TAC GGC CGC CAG GCA CTG TCA CCT GCG GAG GCG GAG AAG CGA AGC GGC GGC AAG AGG AAA AGC
A P Q D Y G R Q A L S P A E A E K R S G G K R K S

GAC AGC TCA GAC TCC CAG GAA GGA AAT TAC AAG TCA GAA GTC AAC AGC
D S S D S Q E G N Y K S E V N S

ACC AAA GAG CAA ATC AGA GAA CTT GAA GCA GAA TTT GCC CAT CAT AAT TAT CTC ACC AGA CTG AGG CGA TAC GAG
T K E Q I R E L E A E F A H H N Y L T R L R R Y E

ATA GCA GTG AAT CTG GAT CTC ACT GAA AGA CAG GTA AAA GTC TGG TTC CAA AAC AGG CCG ATG AAG TGG AAG AGG
I A V N L D L T E R Q V K V W F Q N R R M K W K R

GTA AAG GGT GGA CAG CAA GGA GCT GCG GCT CGG GAA AAG GAA CTG GTG AAT GTG AAA AAG GGA ACA CTT CTC CCA
V K G G Q Q G A A A R E K E L V N V K K G T L L P

TCA GAG CTG TCG GGA ATT GGT GCA GCC ACC CTC CAG CAA ACA GGG GAC TCT ATA GCA AAT GAA GAC AGT CAC GAC
S E L S G I G A A T L Q Q T G D S I A N G D S R D

AGT GAC CAC AGC TCA GAG CAC GCC CAC CTC TGA
S D H S S E H A H L *

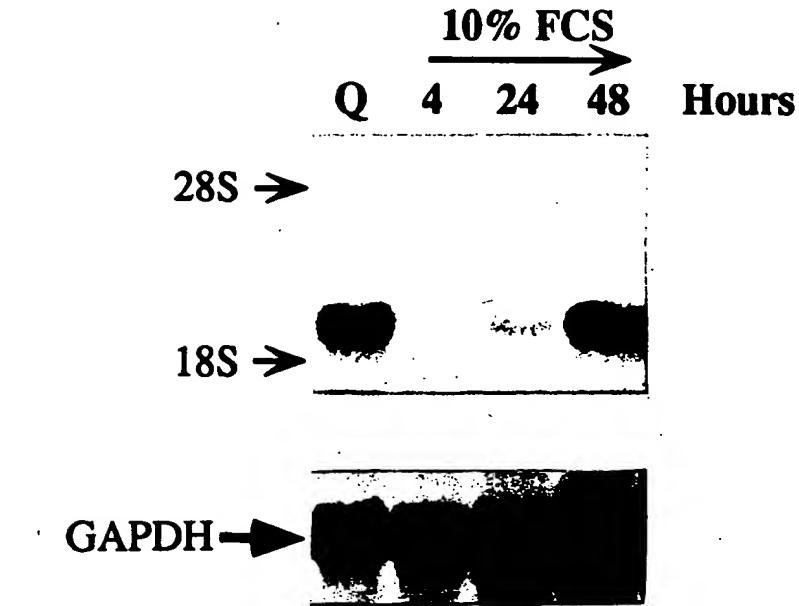


FIG. 5A

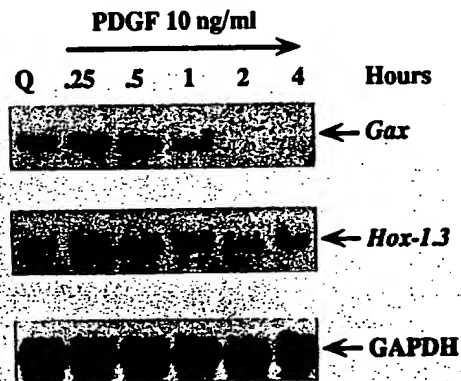


FIG. 5B

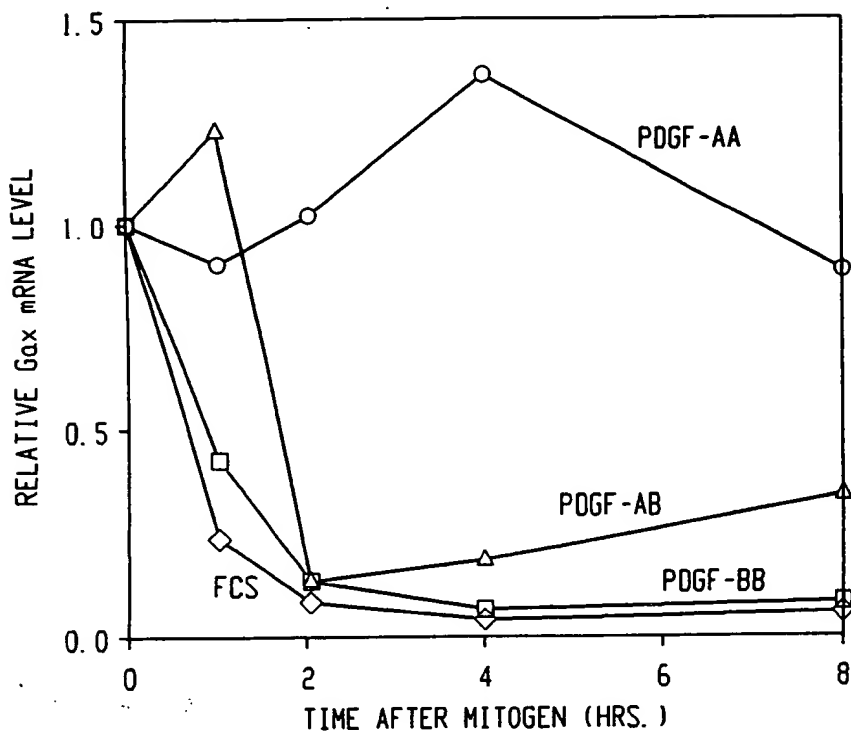


FIG. 6

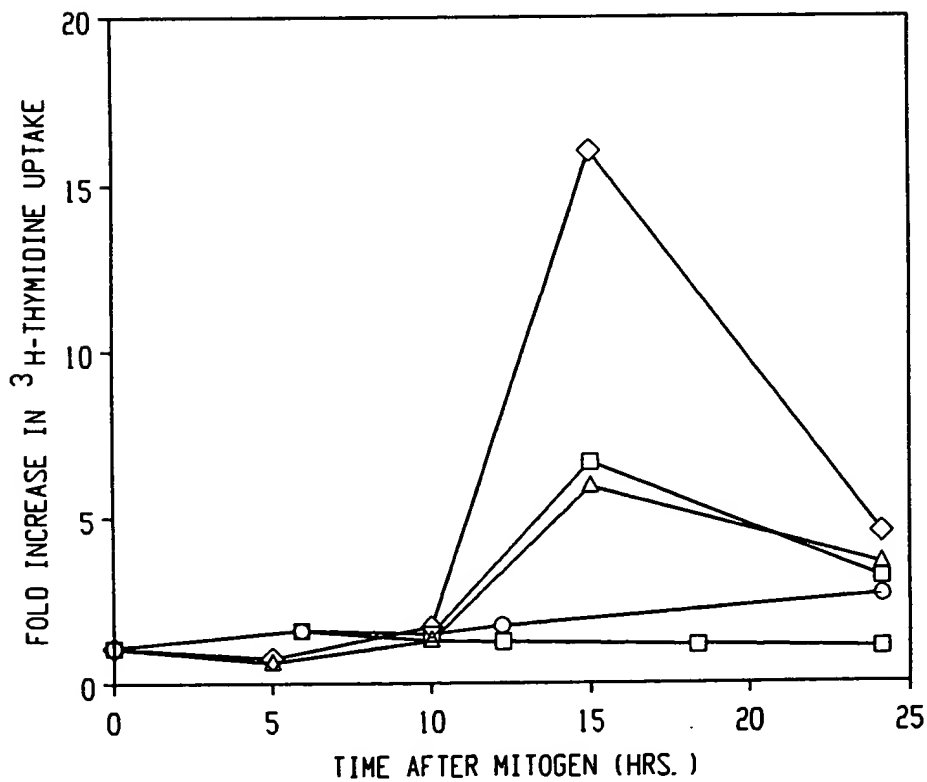


FIG. 7

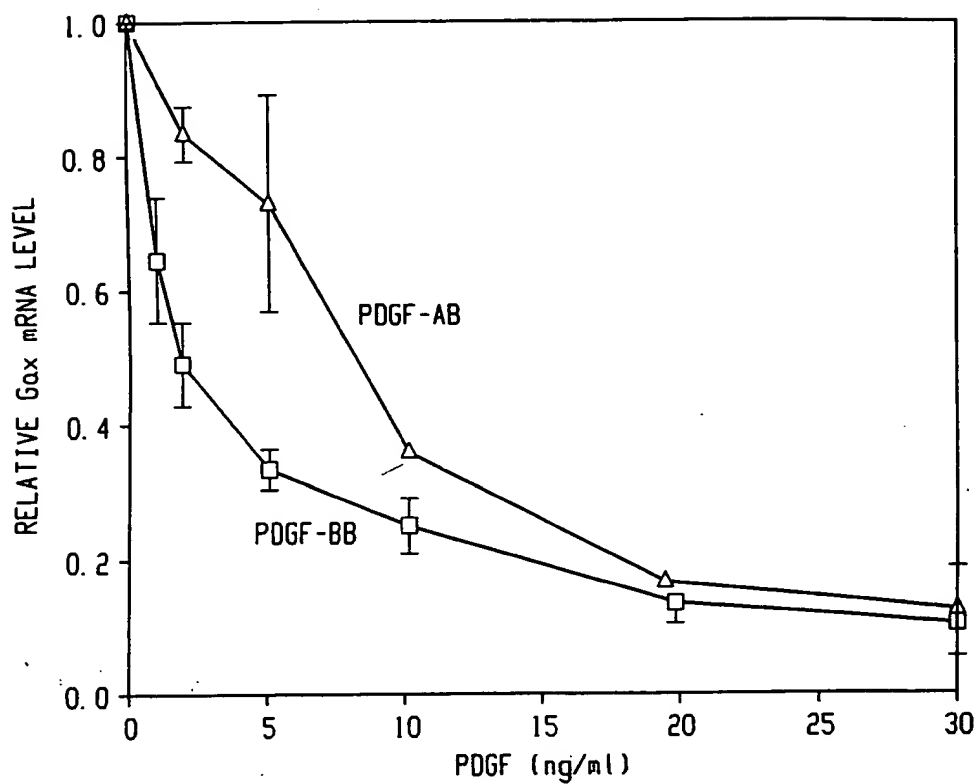


FIG. 8

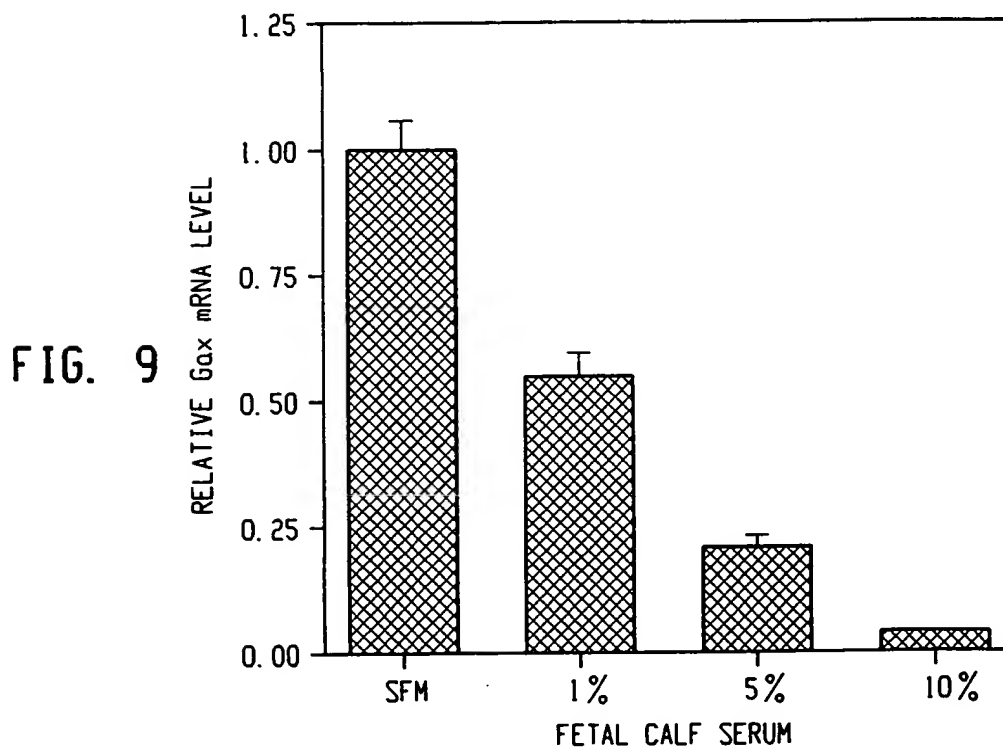


FIG. 9

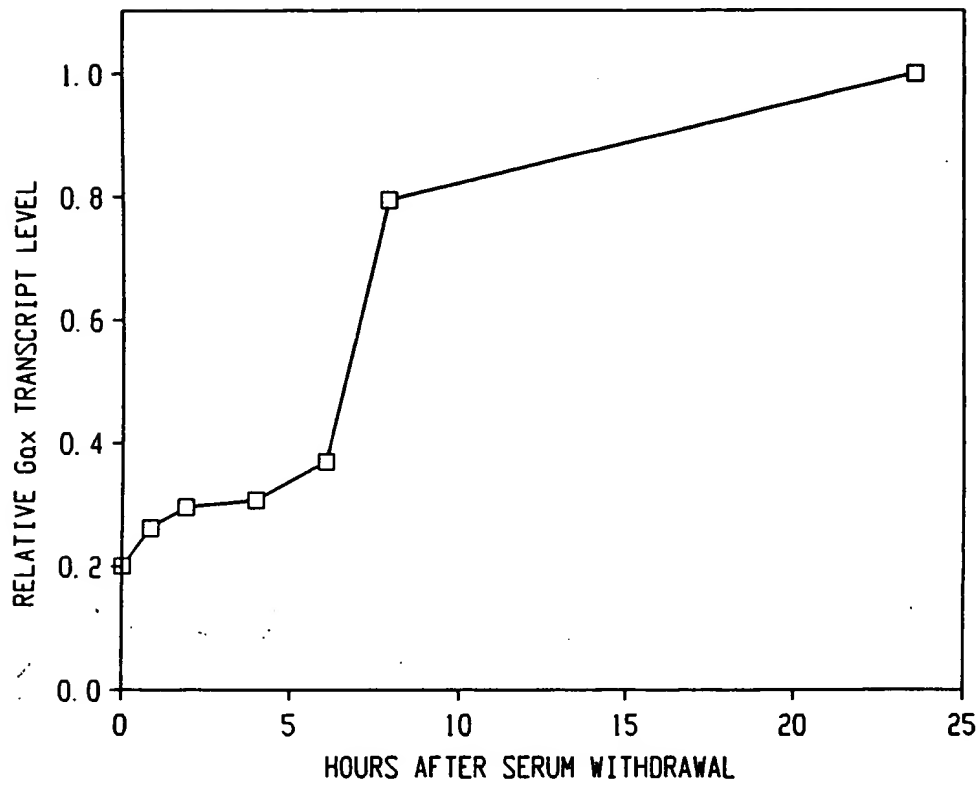


FIG. 10

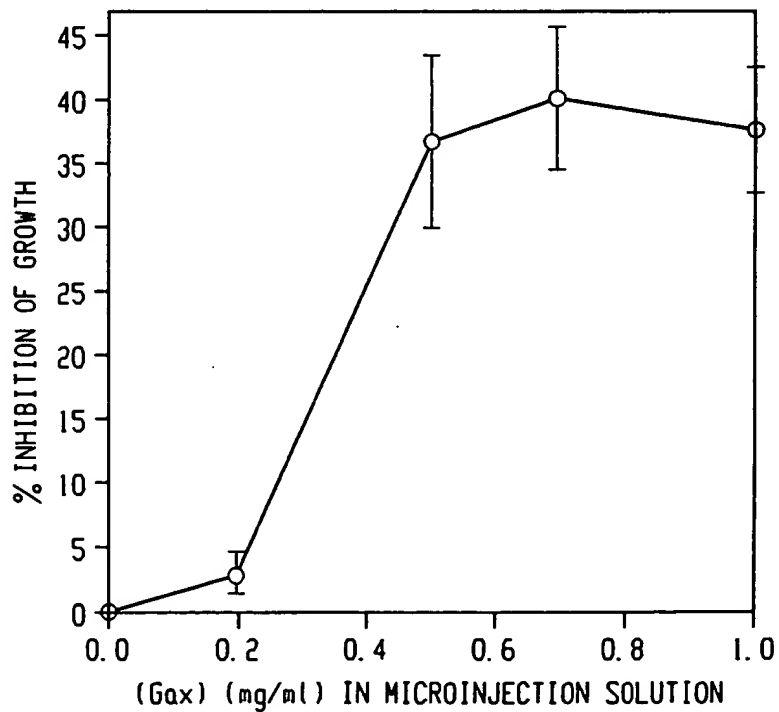


FIG. 11

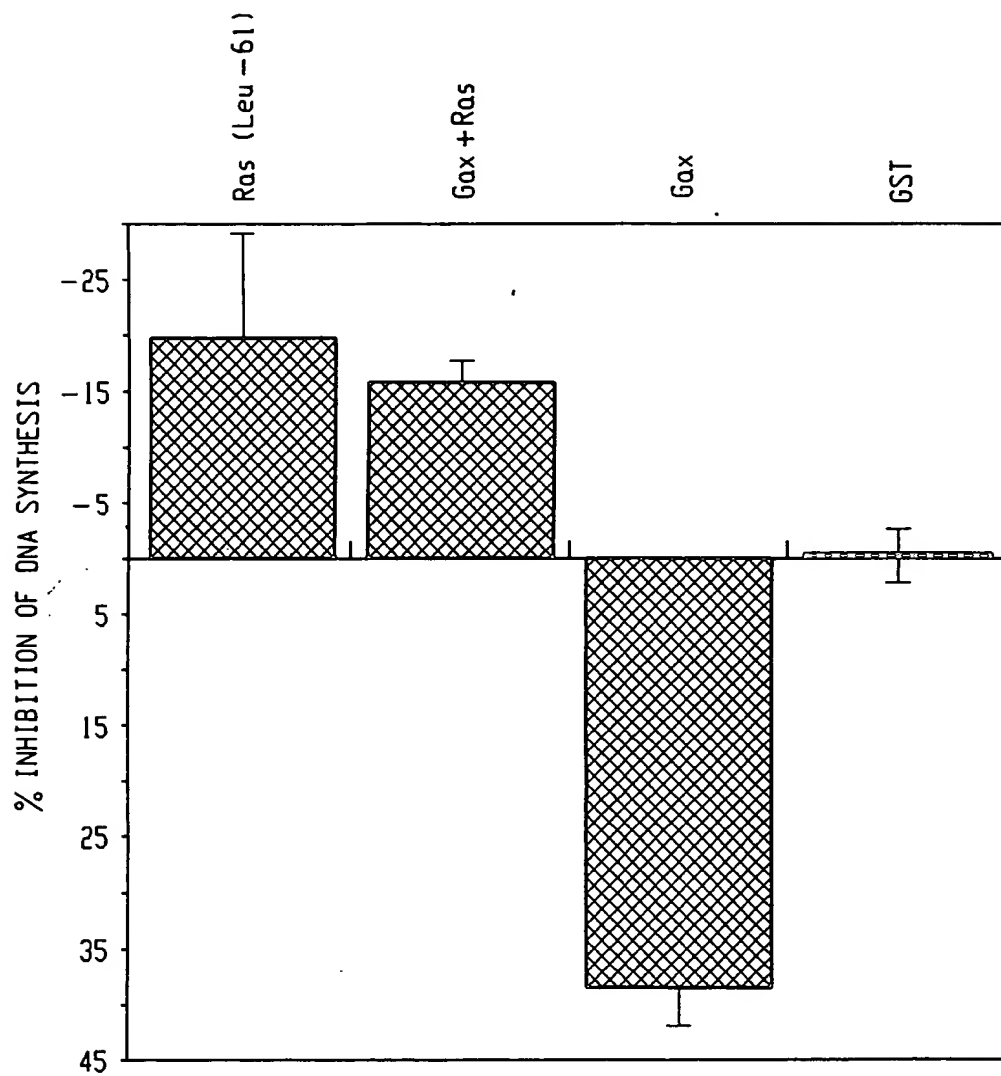


FIG. 12

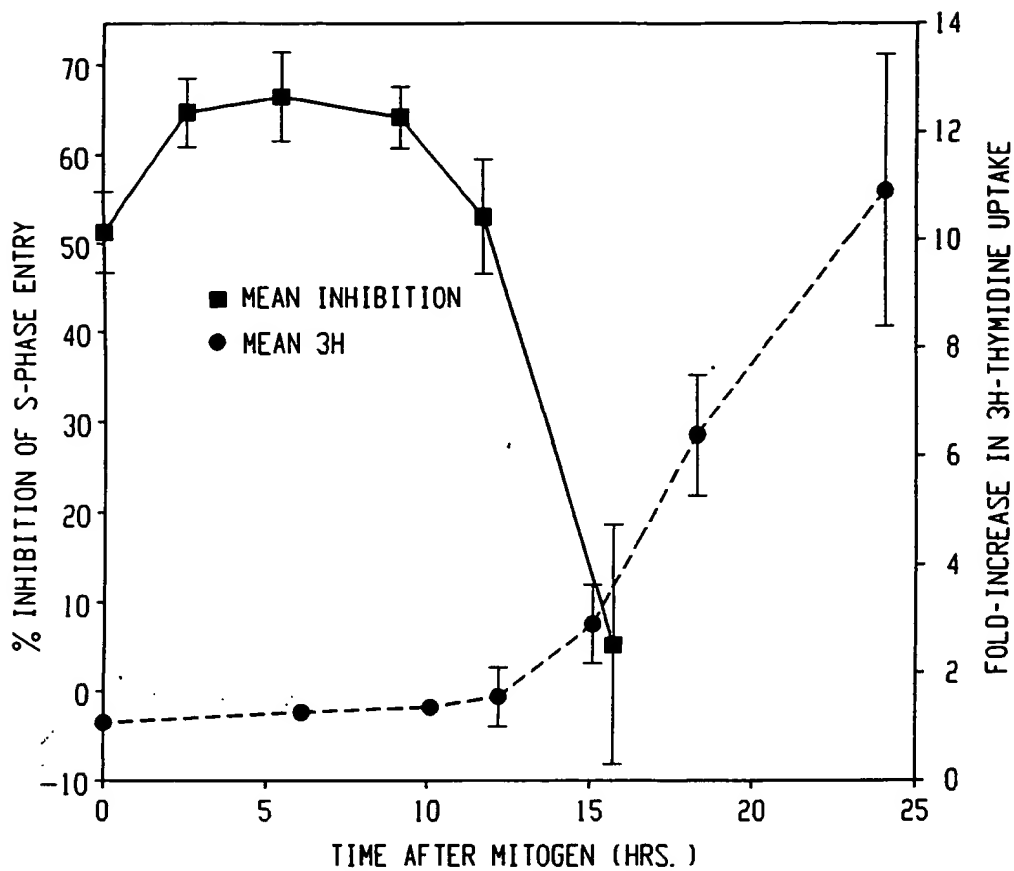


FIG. 13

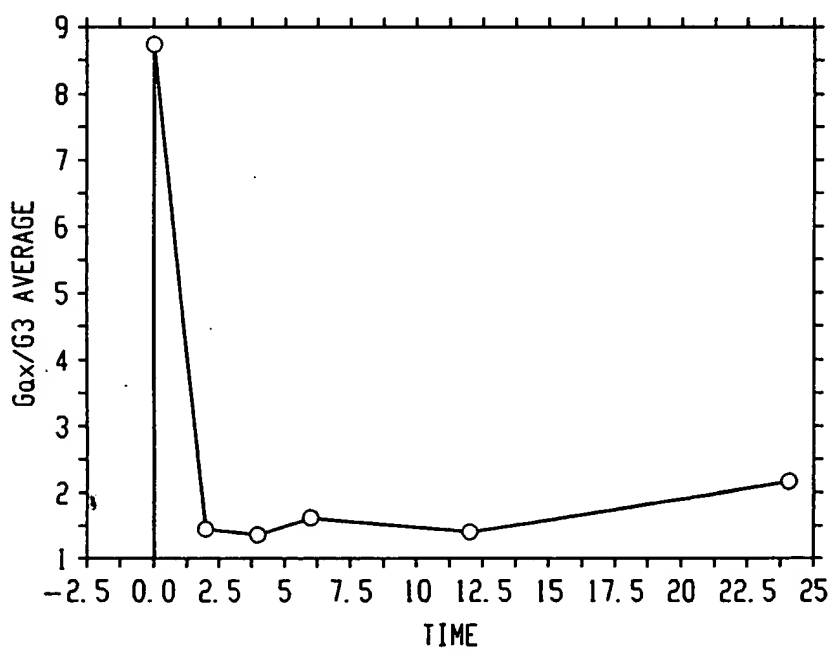


FIG. 14